## Product Sheet

# Satellite Receiver

## 15-88-2000

The Salcom Satellite Receiver creates the ability to implement messaging networks independent of a terrestrial data carrier by utilising digital satellite TV providers to deliver messaging data to remote transmitters not covered by existing networks.

Messages are sent from the Salcom Message servers via the Free View satellite television service (DVB-S) to the receiver. Messages are output in a standard messaging protocol for connection to a paging transmitter.


Product code
15-88-2000

### Key Features

- Operates over existing DVB-S network (AUS/NZ Only)
- Can be migrated onto other satellite networks.
- Self-resets on data loss event.
- Can be deployed in areas not covered by terrestrial data networks.
- Uses standard DVB-S dishes and LNB's (Freeview or SKY).
- Fast message delivery time through network (typically 8 – 10 seconds)

### Applications

- Remote messaging sites
- Emergency Services messaging;
  - Fire, Ambulance
  - Civil Defence
  - USAR
  - LandSAR
  - Surf Clubs etc.
- Private messaging networks
- Industrial Emergency Response.

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## Technical Specification

### Satellite Receiver 15-88-2000

| | |
|---|---|
| Satellite band | Ku |
| LNB Frequency | 15 options; 5750 to 11300MHz |
| Satellite Profiles | Factory set to one; Profiles can be added as required |
| TP Profiles | Factory set to one; Profiles can be added as required |
| Polarity | Horizontal or Vertical |
| Output Protocol | VisiCAD, TNPPb, or RAW data |
| Serial Data Rate | 9600, N, 8, 1 |
| Power Supply | 13.5V typical (11-15VDC range) |
| Power Consumption | Decoder only: 330mA typical<br>With LNB: 500mA typical (Horizontal polarity) |
| Connectors | Power: 2-way pluggable terminal block (5.08mm pitch)<br>Serial: DB9-F<br>LNB: F-61 socket<br>HDMI: Standard A connector, 1080i |
| Configuration | IR remote receiver inside rear panel |
| Low Battery detection | 10.8V, front panel indication |
| Data integrity detction | Requires Heartbeat signal from message server |
| Auto reset | Every five minutes if no heartbeart recieved from server |
| Over-satellite encryption | Yes |
| Enviromental Protection | Not suitable for unprotected outdoor use. Should be protected from adverse environmental conditions. Adequate airflow must be provided for cooling. |
| Indicators | Data integrity, Low battery, Comms, Power/Status |
| Enclosure Material | Extruded aluminium |
| Existing Data Services | Salcom provided via Optus D2 (AUS/NZ only) |
| Data Connection | SNPP or ADHOC via Salcom SMR servers |
| Weight | 940g |
| Dimensions | 225mm x 165mm x 58mm (D x W x H) |

**NB: All specifications and applications are indicative only and subject to change without prior notification.**

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